



Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001

MEMORANDUM

To: See Distribution
From: Kevin Christensen, P.E.
Construction Engineer
Date: October 29, 2008
Subject: Supplemental Specification Revisions: Section 612, Paints, Painting and Powder Coating (Revisions to 5 Subsections)

The Construction Administration Services Bureau is proposing revisions to Section 612, Paints, Painting and Powder Coating, following the Standard Specification Revision Process outlined in the Construction Engineer's Memorandum dated May 2008. The following information is provided.

1. Multiple Revisions to Section 612, Paints, Painting and Powder Coating, will be modified.
2. The Proposed Drafts of the change is attached along with this memorandum.
3. Revisions to the Standard Specifications are needed to address the addition of powder coating requirements.
4. Those impacted by the change include:
Construction, Contractors, EPM's
5. The following individuals were consulted and/or involved in developing the proposed revisions:
CAS / CES Bureau, Materials

*It is requested that written comments on **the proposed revisions only**, be returned to mdtspecifications@mt.gov no later than November 28, 2008.*

DISTRIBUTION:

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SECTION 612**PAINTS, PAINTING, and Powder Coating**

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612.01 DESCRIPTION

This work is the surface preparation, furnishing and applying the paint or powder coating, and protecting the paint and powder coatings, pedestrians, vehicular, or other traffic upon or under the surface being painted or coated.

612.02 MATERIALS

Furnish materials meeting the applicable requirements of Section 710 and Subsection 612.02.1.

Coat powder coated items with a TGIC Polyester powder.

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612.03.6 Application of Powder Coat

- A. Surface Preparation.** Prepare surfaces to be powder coated following the powder manufacturer's recommendations.
- B. Damage and Repair.** The Project Manager may inspect any damaged items and determine if the damage is repairable or if the item will be rejected. The manufacturer shall specify the material procedures for maintenance repair and touchup repair due to handling and installation. One pound or equivalent prepackaged unit of patching material, compatible with the coating, shall be submitted with the materials for the contractor's use. The material must be feasible for maintenance usage and for repairs to the coating damaged by handling. The patching material may be a liquid, which hardens to a solid on curing.
- C. Application of Coating Material.** The coating shall be applied as specified by the powder manufacturer using their specified metal preparation, coating procedures, and cure of the coating.
- D. Handling of Coated Material.** All systems for handling coated materials shall have padded contact areas wherever possible. Individual coated materials shall not be dropped or dragged. Any coated hardware shall be handled to prevent marring. Hardware, which is damaged so as to prevent its intended function, shall not be used. Extra handling precautions are expected to limit any major touchup by the coater, contractor, or shipper. The coated materials shall be carefully unloaded and stored on the project site prior to use in a manner to avoid damage or contamination. During and after the installation of the coated material the Contractor shall repair all breaks and loss of protection in accordance with the manufacture's recommendations.
- E. Sampling and Testing.** A Montana Department of Transportation representative shall have the prerogative of sampling and testing any or all materials at any time. The Montana Department of Transportation representative may perform inspection of the application and the finished coatings at the applicator's plant or may accept the coating on the basis of a Certification of Compliance.

612.04 METHOD OF MEASUREMENT

Paints, painting, ~~and powder coating are~~ not measured separately but ~~are~~ incidental to the items being painted ~~or coated~~.

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612.05 BASIS OF PAYMENT

Paints, painting, ~~and coating are~~ not paid for separately but ~~are~~ included in the cost of the item painted and includes all materials and resources necessary to complete the work.

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